TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2017-03-28-07** **Date: 30-03-2017**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Drains in Military Dairy Farm in Sanjeevininagar Ward No.07, Bayatarayanapura.
Agency	:	M/s, Sathya Construction, Sri. Satheesh, #600, Down Bazaar Road, Yelahanka, Bangalore-64.
Customer's Reference	:	EE/BTP/BBMP/E-PMT/270/2015-16
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	28-03-2017
Sample ID No	:	2017-03-28-07-01
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6
Date of test	:	29-03-2017

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	2.45	–
2	Finess by Air permeablity method (m^2/kg, Min)	257.8	225m^2/kg, Min
3	Density (gm/cc)	3.21	–
4	Standard Consistency (%)	28.5%	Not specified
5	Initial Setting time	175 minutes	Not less than 30 minutes
6	Final Setting time	250 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	2mm	Not more than 10 mm

Note:

The results pertain to the samples received and tested.

All information furnished by Customer/Representative

Any correction in the report will make this report invalid

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Samples will be disposed after 30 days from the date of issue of test certificate

Assistant Executive Engin
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2017-03-28-07** **Date: 26-04-2017**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Drains in Military Dairy Farm in Sanjeevininagar Ward No.07, Bayatarayanapura.
Agency	:	M/s, Sathya Construction, Sri. Satheesh, #600, Down Bazaar Road, Yelahanka, Bangalore-64.
Customer's Reference	:	EE/BTP/BBMP/E-PMT/270/2015-16
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	28-03-2017
Sample ID No	:	2017-03-28-07-01
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, Determination of Compressive Strength, Clause 6
Date of test	:	29-03-2017

Compressive Strength

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	3 Days	27.5N/mm^2	Not less than 27 N/mm^2
2	7 Days	37.5N/mm^2	Not less than 37 N/mm^2
3	28 Days	54.5N/mm^2	Not less than 53 N/mm^2

Note:
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Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka, B.B.M.P
Bangalore.

CIVIL Pro Sig..... Date..... BANGALORE

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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TEST REPORT FOR SAND MASONRY MORTARS

Lab ID	:	**CP-2017-03-28-07** **Date: 31-03-2017**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Drains in Military Dairy Farm in Sanjeevininagar Ward No.07, Bayatarayanapura.
Customer's Reference	:	EE/BTP/BBMP/E-PMT/270/2015-16
Source of Sample	:	Batching Plant for Peninsula Heights in Ward No.117, J.P Nagar, Bangalore(Near Woodys hotel)
Sample Condition	:	Satisfactory
Date of Receipt	:	28-03-2017
Sample ID No	:	2017-03-28-07-02
Sample Type	:	Fine Aggregate (M Sand)
Reference to BIS codes	:	IS 383 : 2016 (Specification for Coarse and fine Aggregates) IS: 2116-1980 (RA-2007) (Specification for Sand for Masonry Mortars) IS: 2386 :1963(Part - 1, 3) RA2012 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	28-03-2017
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS: 2116-1980 (RA-2007)
1	4.75 mm	0	0	0	100	100
2	2.36 mm	85	85	8.5	91.5	90-100
3	1.18 mm	200	285	28.5	71.5	70-100
4	600 micron	186	471	47.1	52.9	40-100
5	300 micron	176	647	64.7	35.3	5-70
6	150 micron	213	860	86.0	14.0	0-15
7	Pan	140	1000	100.0	0.0	0

Result: The tested sample confirm to specified limits.

Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

CIVIL PRO BANGALORE Sig..... Date.....

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TEST REPORT FOR SAND MASONRY MORTARS

Lab ID : **CP-2017-03-28-07** **Date: 31-03-2017**

Sample ID No : 2017-03-28-07-02

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.75	_
2	Specific Gravity	2.56	_
3	Material finer than 75 micron(%)	11.2	Crushed Fine aggregate Max 15%

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CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
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Quality Manager

Assistant Executive Engineer.
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

****End of Report****

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